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IN THE U.S. PATENT AND TRADEMARK OFFICE

In re Application of:

TITBALL ET AL.

Serial No. 10/070,882

Filed: March 11, 2002

For: RECOMBINANT MICROORGANISMS

Docket No. 41577-270459

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is a paper in the above-identified application.

- ☒ Amendment.  
☒ Amended Figure 6 and Annotated Figure 6.  
☒ Response to Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures.  
☒ Return Copy of Notice to Comply.  
☒ Computer Diskette of Sequence Listing.  
☒ No additional fee is required.  
☐ The additional fee is calculated as shown below:

					SMALL ENTITY		OTHER THAN SMALL ENTITY	
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDIT. FEE	RATE	ADDIT. FEE
TOTAL	19	MINUS	20=	0	x9	\$	x18	\$
INDEP.	2	MINUS	3=	0	x43	\$	x86	\$
FIRST PRESENTATION OF								
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS					+145	\$	+290	\$
TOTAL								
ADDITIONAL FEE						\$		\$

- ☐ A check in the amount of \$ is attached.  
☒ The Commissioner is hereby authorized to charge any additional fees required under 37 CFR §1.16, or credit any overpayment, to Account No. 11-0855. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being deposited with with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on October 8, 2003.

  
Lisa C. Pavento - Reg. No. 44,669

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1100 Peachtree Street  
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Telephone: 404/815-6500

By:   
Lisa C. Pavento, Attorney for Applicant  
Reg. No. 44,669



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
)  
**TITBALL ET AL.** )  
) Art. Unit: **1645**  
Application No. **10/070,882** )  
) Examiner: **Devi, S.**  
Filed: **March 11, 2002** )  
)  
For: **RECOMBINANT MICROORGANISMS** )

**RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS  
FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE  
AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures, which was mailed on September 10, 2003, Applicants submit herewith a substitute computer readable form of the sequence listing which comprises the nucleotide and amino acid sequences contained in the application as filed. Pursuant to 37 C.F.R. § 1.821(f), the sequence listing information recorded in the attached computer readable form contains no new matter and is identical to the written sequence listing and computer readable form already submitted on March 11, 2002.

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on October 8, 2003.

Lisa C. Pavento – Reg. No. 44,669

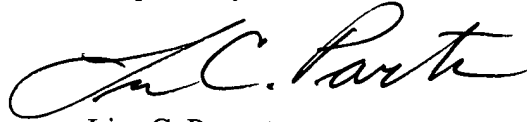
**RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS  
FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE  
AND/OR AMINO ACID SEQUENCE DISCLOSURES**

U.S. Patent Application No. 10/070,882

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No changes in the sequence listing were necessary because the sequence lacking an identifier in Figure 6 was included in the originally filed sequence listing as SEQ ID NO:4. A substitute computer readable form is provided herewith merely to comply with the requirements set forth in the last Communication from the Examiner.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "L.C. Pavento", written in a cursive style.

Lisa C. Pavento

Reg. No. 44,669

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Our Docket: 41577-270459

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING  
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):



- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☒ 7. Other: The sequence recited in the specification, for example in the last part of Figure 6, must be identified by a SEQ ID numbers

**Applicant Must Provide:**

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

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